



*heating and plumbing products
that won't cost the **earth***

**Hy-Pro Solar
Expansion Vessels
for OEM**

July 2010



Hy-Pro solar expansion vessels for OEM with ZILAN E solar membrane

The Intaeco Hy-Pro solar expansion vessels are specifically designed for use by OEM's in the design of primary circuit solar systems. In these systems, the heating fluid of the primary circuit contains Glycol as an additive and operates at high temperatures.

The Pressure Expansion Vessel with membrane is manufactured in accordance with the PED 97/23/CE and EN 13831 directives, which means that they are fit for use in closed solar energy heating systems according to DIN 4757 and EN 12977.

Inside the vessel there is a special solar membrane structured as a bag membrane that separates the gas from the solar liquid.

Hy_Pro Solar Vessels - OEM range - 110°C working/130°C brief exposure time - Bag type - Zilan E solar membrane. Steel closure range. Trade solar vessel.

Max. operating pressure: 6 bar
 Membrane temperature: -10° - +100°C
 System temperature: -10° - +100°C
 Factory precharge: 2.5 bar ±20%
 Nominal volume: 12, 18 & 24 litres
 Colour: White

The membrane;

- is the result of long term experience in the installation of Zilmet vessels in thermal solar systems.
- has a max. working temperature of 110° C.
- is stable in any mixture of Propylene or Ethylene Glycol.
- has particularly reduced permeability.
- is certified under DIN 4807.

In extreme conditions, the vessel can accommodate short peaks of 130°C glycol temperature. The Zilan E solar membrane is less likely to trap air and consequently, there is a lower likelihood of corrosion damage to the steel vessel.

Always mount solar vessels in a vertical position. Best practice is to connect to the provided connection port on the pump station. Where possible, mount below the pump station to negate heat transfer.

Avoid mounting in close proximity to the solar collector where temperatures can exceed 130°C. In these situations it is highly recommended that the expansion vessel be installed in conjunction with a heat protecting 'intermediate' vessel.

Use with Intaeco vessel connection kits on sizes up to 24 Ltr

description	code
12 litre Hy-Pro solar vessel	ECSHY1207
18 litre Hy-Pro solar vessel	ECSHY1808
24 litre Hy-Pro solar vessel	ECSHY2506



Hy-Pro solar expansion vessel

